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Art Unit 3661

Searching 1976 to present...

Results of Search in 1976 to present db for:

((((CCL/345/419 AND SPEC/simulation) AND SPEC/product) AND SPEC/3d) AND ACLM/dimension): 4 patents.

Hits 1 through 4 out of 4

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Refine Search: ccl/345/419 and spec/simulation and spec/product

PAT. NO.	Title
1 <u>6,438,263</u>	<u>T Apparatus and method for 3-dimensional surface geometry reconstruction</u>
2 <u>6,380,934</u>	<u>T Estimating targets using statistical properties of observations of known targets</u>
3 <u>5,850,352</u>	<u>T Immersive video, including video hypermosaicing to generate from multiple video views of a scene a three-dimensional video mosaic from which diverse virtual video scene images are synthesized, including panoramic, scene interactive and stereoscopic images</u>
4 <u>5,537,641</u>	<u>T 3D realtime fluid animation by Navier-Stokes equations</u>

- From Internet Archive Wayback Machine,
<http://web.archive.org/>, Searching page for
<http://www.cadence.com/> and <http://www.microsim.com/>.
- From <http://www.amazon.com/>, Amazon.com books search results (for related subject of "building blocks"/"putting things together" from available libraries.
- From <http://usa.autodesk.com/>, Autodesk - Press Room - Facts, (History/Milestones of Autodesk/AutoCAD).
- From http://www.cadence.com/products/analog_design.html, An example for analog design environment where building blocks are put together from a library.
- From <http://www.pspice.com/publications/>, Spice Books - pspice.com design..., prior books about a similar concept as the pending invention.
- **Girouark** et al., obviously disclose that input data have been encoded/decoded: "the computer system includes a magnetic stripe card reader, bar code reader"; therefore: reading encoded instructions; and decoding the encoded set of instructions have been done by **Girouark** et al.
- **Lockwood** et al., disclose "Any information or **image** displayed on the CRT 10 can also be delivered in a hard copy form by a printer 11."; or "The acceptance message received back from the computing center causes the CPU to generate a video **image** of a flight ticket which is simultaneously printed by the video hard copy printer.".

- Ohta (US Pat. 6,163,623 - 12/19/2000) Method and apparatus for recognizing images of documents and storing different types of information in different files, wherein a method and apparatus for processing images of a document containing characters, tables and figures. After the documents are scanned, the various areas including the character images, table images, and figure images are grouped in accordance with the type of **image**. Different file names are assigned to each of the character section, table section, and figures. A portion of the file names for each of the character images, table images, and figures may be the same in order to indicate that the characters, tables, and images belong to the same document. Extensions may be assigned to the file names indicating whether the file contains characters, tables, or figures. Further, a number may be stored to indicate the table number, figure number or character **image** number. If **newspaper** or magazine articles are scanned, the various sections of the articles may be arranged automatically in order to make the information easier to utilize and to have an efficient use of the paper. The above US Pat. 6,163,623 (having priority on 7/27/1994) by Ohta analogously suggests similar features/steps in pending claims.

- Eichelberger; Charles W. et al. (US Pat. 4,835,704 - 5/30/1989) filed 12/19/1986 disclose the existence of Cadence Inc. with Autodesk software.

- **Sutherland** (US Pat. 5,684,724 - 11/04/1997) filed on 8/30/1995 disclose the existence of MicroSim Inc. with PSpice software.
- **Smith et al.**, US Pat. 5,402,358 - 3/28/1995, filed on 10/29/1993, about a Method and a structure for the automated design of analog integrated circuits disclose the existence of MicroSim Inc. with PSpice software; wherein A method for creating a physical layout of an analog integrated circuit characterized by the steps of developing a library of device modules and then assembling the device modules in an iterative fashion to create the desired analog circuit. The iterative process is preferably performed in a computerized spreadsheet program by developing an initial tiling script for the device modules, calculating the operating specifications of the circuit produced by the tiling script, comparing the calculated operating specifications against the desired operating parameters of the circuit and modifying the tiling script and repeating the process until the calculated operating specifications meet the desired operating parameters. In one embodiment the desired operating parameters include operating parameters of the analog circuit taken as a whole and in another embodiment the desired operating parameters include operating

parameters of individual devices within the analog circuit. The device modules may be combined in a variety of fashions to make transistors and other devices of various operating specifications.

- Ghoshal, (US Pat. 4,980,580 - 12/25/1990), disclose the existence of MicroSim Inc. with PSPice software.

10. Note: A claim containing a "recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus" if the prior art apparatus teaches all the structural limitations of the claim (those structural limitations are components/means of a general personal computer that has claimed capabilities). Ex parte **Masham**, 2 USPQ2d 1647 (Bd. Pat. App. & Inter. 1987). The pending claim was rejected over a reference of IronCAD 2.0/AutoCad which taught all the structural limitations of pending claims.

The examiner also submits that Home Shopping Channel from Cox Communications provides vivid video pictures of 3-D items to viewers' TV. The on sale item was rotated to many different angles; it is even magnified at some points to show clear pictures of said item to viewers. This provides much more sophisticated details than this pending application.

11. These following references are also considered pertinent to claimed subject matter:

- Charles (US Pat. 6,449,103 – 9/10/2002 with class. 359/725) discusses about a hybrid image was produced by an optical system.
- **Burke**, (US Pat. 5,848,399 filed on 7/25/1996, published on 12/08/1998 – US class. 705/27) about a computer system for allowing a consumer to purchase packaged goods at home.
- Thies et al., (US Pat. 5,206,804 filed 5/1990, published on 4/27/1993) about footwear visual image cataloging and sizing.

- Bill Fane, IronCAD 2.0 provides 3D modeling power: 3D modeling and animation are the strong suits of Visionary Design System's MCAD product, CADalyst, 8/1999 (from <http://www.findarticles.com>, 8 pages).
- Bill Schweber, Prototyping tools transform design dreams into reality, EDN, 5/13/1999 (from <http://www.findarticles.com>, 10 pages).
- Tony Hotchkiss, Customization options: Make AutoCAD 2000 do what you want, CADalyst, 7/2000 (from <http://www.findarticles.com>, 7 pages).
- Robert Martin, Solid modeler delivers clever productivity features, Machine Design, 8/20/1998, (from <http://www.findarticles.com>, 3 pages).
- Katherine Tyrka, Part libraries on the Web: 2D and 3D manufacturers' standard parts can be downloaded in a variety of native or neutral formats from the Web, or through complete libraries on CDs, saving time and effort to complete assembly design, Design News, 1/07/2002, (from <http://www.findarticles.com>, 4 pages).

9. These following references are also considered being combinable to meet claimed limitations:

- Ricards et al., US Pat. 3,949,159 - 4/06/1976, disclose about composite page setter.
- From Internet Archive Wayback Machine, <http://web.archive.org/>, Searching page for <http://www.cadence.com/> and <http://www.microsim.com/>.
- From <http://www.amazon.com/>, Amazon.com books search results (for related subject of "building blocks"/"putting things together" from available libraries.
- From <http://usa.autodesk.com/>, Autodesk - Press Room - Facts, (History/Milestones of Autodesk/AutoCAD).
- From http://www.cadence.com/products/analog_design.html, An example for analog design environment where building blocks are put together from a library.
- From <http://www.pspice.com/publications/>, Spice Books - pspice.com design..., prior books about a similar concept as the pending invention.
- **Girouark** et al., obviously disclose that input data have been encoded/decoded: "the computer system includes a magnetic stripe card reader, bar code reader"; therefore: reading encoded instructions; and decoding the encoded set of instructions have been done by **Girouark** et al.
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the desired operating parameters include operating parameters of individual devices within the analog circuit. The device modules may be combined in a variety of fashions to make transistors and other devices of various operating specifications.

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